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U. S. DEPARTMENT OF AGRICULTURE

GRAPES

and

how to Grow them

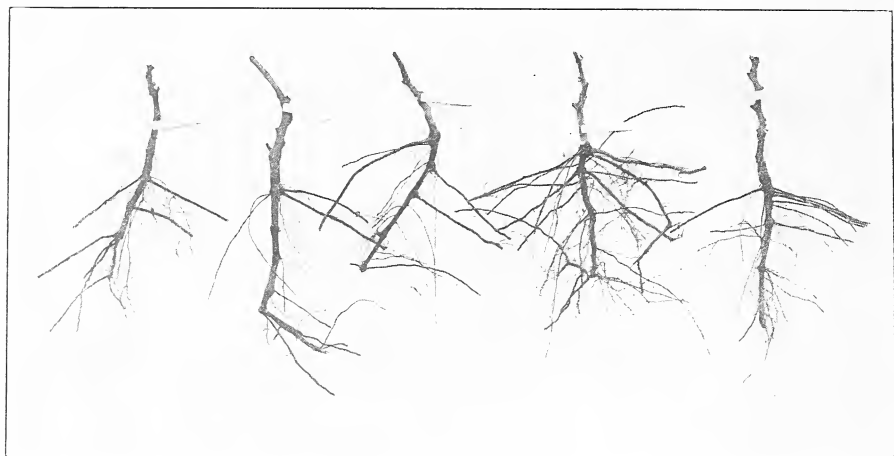
SOUTHERN ADAPTED NURSERIES

(Incorporated)

GRAPE, BLUEBERRY AND BLACKBERRY PLANTS

General Offices, Vineyards and Nurseries:

BARTOW, FLORIDA



Showing properly developed root systems of different varieties
Only vigorous plants are shipped by Southern Adapted Nurseries

FOREWORD

THAT which is true appeals to all.

This catalog is written for studious, careful and conservative investors.

Facts, not imaginative ideas, are advanced for consideration.

Appreciation of the possibilities of grape growing will follow understanding of the success which has rewarded all who have intelligently purchased the right varieties and planted and cultivated their vineyards properly.

The increased value of land devoted to grape culture—the early and highly satisfactory returns combine to indicate a field for investment which is and will continue to be very attractive to investors—development companies—or individual horticulturists.

SOUTHERN ADAPTED NURSERIES

General Offices, Vineyards and Nurseries

BARTOW, FLORIDA

T. L. WILSON, President

J. J. SWEARINGEN, Vice President

T. G. LOCKWOOD, General Manager

E. L. WIRT, Treasure

Largest Growers of Grape Plants in Southeast
(70 Acres of Vineyard)

PROFITS FROM GRAPES

Security of principal must always receive first consideration in making investments and any careful investor will wish to know that the money he invests in a vineyard is secure.

The varieties recommended by Southern Adapted Nurseries for planting in southeastern states are subject to only preventable or curable diseases.

A grape vineyard will not be lost from frost or cold weather.

If proper varieties are planted on suitable land, grape vines will continue to produce for a lifetime.

We know of no sales made of bearing vineyards in Florida, nor do we know of any being offered for sale, so cannot accurately advise of the increase in value of acreage devoted to grapes. Based on income, however, the increased value would be high. If properly handled, grape growing is a safe and sensible business to engage in.



View of Our 70 Acre Vineyard

VARIETIES OF GRAPES

While we list many varieties of grapes, we wish it understood that we *do not* recommend all varieties for commercial planting, nor do we wish it understood that all varieties will do equally well in various parts of Florida or Georgia or other southeastern states; but rather do we emphasize the importance of making your selection, only after you have consulted our viticulturists. This suggestion is made entirely in your interest. It is only by selecting those varieties which will harmonize with soil, drainage-altitude conditions, that the best insurance for success can be given.

There has been, unfortunately, trade names given as synonyms for standard varieties and, as we consider this practice in no way desirable, we are listing

the names as given by the originators and accepted by the nomenclature committee of the American Pomological Society, but are also listing opposite the correct names, the trade synonyms sometimes used.

SOILS ADAPTED GRAPE CULTURE

The best type of soil for the grape is a well-drained sandy loam, rich in humus and nitrogen and with more or less compact subsoil. Soils containing too much lime will cause Chlorosis, a disease indicated by the absence of green coloring matter in the leaves.

The water supply in the soil must be abundant and readily available at all times during the growing season. Next to water, nitrogen is the limiting factor in grape culture. An abundance of humus is very desirable because of its effect on the water-holding capacity of the soil.

Any good, well-drained garden soil will grow good grapes. There are many excellent healthy vineyards on well-drained "flatwoods," high hammock, well-drained low hammock and high pine lands. Grapes are being grown successfully on sandy soil without a good subsoil, land that would be too poor for many crops. Good drainage is imperative, and rich soil is very desirable. (Lord)

WHEN TO PLANT

December, January and February are the last months in which to plant. Unless the ground is unusually dry, plants require no water if set out during these months.

HOW TO PLANT

In setting a vineyard, one-year-old plants should be used always, as the older ones rarely make thrifty vines. The roots should be cut back to from four



First Crop of Young Vine



Showing Well Fruited Vine

to five inches, and the top pruned back leaving only two buds. The vine should be planted as nearly the same depth that it stood in the nursery as possible. Dig good-sized holes, placing the plant with roots spread out, putting good top soil around the roots, tamping well.

As soon as plants arrive, heel in, in good moist soil, but not wet, until planted. For most varieties we recommend planting 8 x 10 feet apart, running rows preferably north and south. Ground should be plowed deep and thoroughly pulverized and rows laid off eight feet in rows by ten feet or 10 x 10.

8 x 10 requires 540 plants per acre.

10 x 10 requires 435 plants per acre.

HOW TO TRAIN

When plants begin to grow, tie up on stakes or bamboo cane. Some use Miller's twine to good advantage. Keep all young shoots pinched off, leaving one straight main stem or vine. When vine reaches wire pick terminal bud and let two shoots, one each way, run along the wire.

The Munson Canopy system is the most popular and satisfactory, although more costly than the Kniffin system.

Two laterals should be allowed to develop at each wire when the Kniffin system is used.

On immature vines trained on the Munson system, two opposite canes are allowed to develop. Mature vines are trained with four laterals, two running each way on center wire.

Muscadines are trained, usually, on six-arm renewal.

HOW TO CULTIVATE

From the time the grape plants start growing in the spring, keep up thorough cultivation with an Acme harrow, maintaining a dust mulch throughout the dry

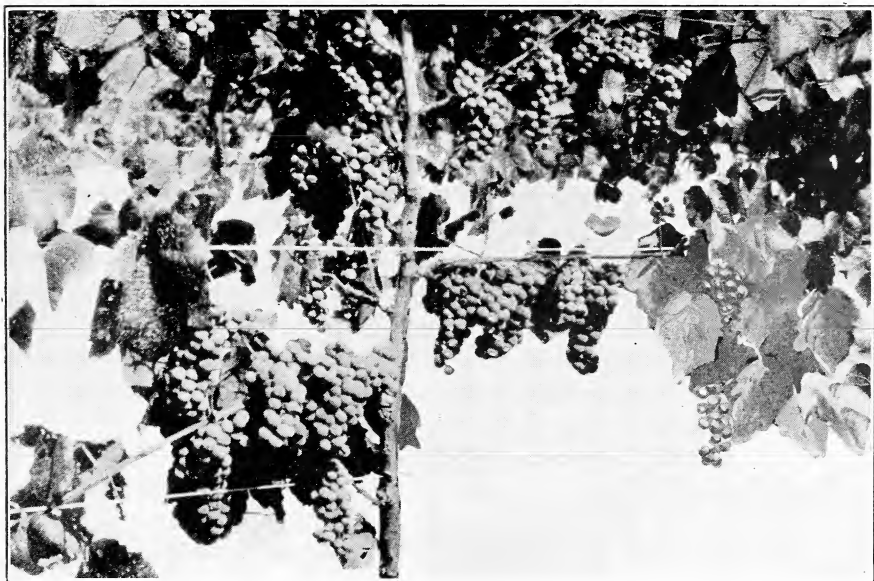
season. It is a good practice to put in a cover crop of cowpeas or Bush Velvet Beans in June or July, turning same in lightly in fall with a disc harrow having depth gauge rollers. Always practice shallow cultivation.

HOW TO PRUNE

We refer you to Prof. E. L. Lord's bulletin, of Gainesville, in regard to care of the vineyard. We take this as the best authority in the state at the present time. You can obtain this through the Department of Agriculture, Gainesville, or we will be glad to mail copy as long as our supply lasts.

HOW TO FERTILIZE

As it is desirable to know soil conditions in advising as to formulas, it is suggested that those seeking information on fertilization write to Southern Adapted Nurseries.



Carman Grapes. Thirty Months Old

GENERAL INFORMATION

We wish to identify our interest as much as possible with that of the grape growers of the state, and in consequence hope that we will be allowed to assist in any way possible by advice to the prospective grower, whether he plants a commercial vineyard of twenty acres or a few vines for home use.

Our plants that we are offering are all one-year plants, absolutely guaranteed true to name, healthy, sound and free from disease.

Variety	Origin	Race	Vigor	Size of Bunch	Size of Berry	Color	Use	Quality	Distance to plant	Pruning System	Length	Remarks
Headlight	Texas	Aestivalis Lab. Vin. hybrid	Weak	Small	Small	Red	Dessert and market	Excellent	8 feet	Munson	Medium	Self-sterile, very early, Lomanto and Brill. good pollenizers.
Brilliant	Texas	Aestivalis Lab. Vin. hybrid	Medium	Large	Large	Red	Dessert and market	Good	8 feet	Munson	Medium	Good pollenizer for R. W. Munson and Headlight.
Deleware	New Jersey	Aestivalis hybrid	Weak	Small	Small	Red	Dessert and market	Excellent	8 feet	Upright or Fan	Medium	Fine quality.
Edna	Texas	Aestivalis Lab. Vin. hybrid	Very vigorous	Medium	Large	White	Table	Best	10 feet	Munson	Medium	Self-sterile, Ronaldo good pollenizer. Heavy yielder.
Herbemont	Uncertain	Aest. Vinifera	Very vigorous	Medium to large	Small	Purple	Juice	Fair	12 feet	Munson	Long	Good late Juice grape.
Captain	Texas	Aestivalis Lab. Vin. hybrid	Very vigorous	Very large	Large	Black, white bloom	Table, wine, market	Good	10 feet	Munson	Medium	Sometimes self-sterile. Brill. and Lomanto for pollenizers.
R. W. Munson	Texas	Aestivalis hyb.	Very vigorous	Large	Medium	Black	Dessert, Juice and market	Good	12 feet	Munson	Long	Self-sterile. Carman and Brill. good pollenizers.
Carman	Texas	Aestivalis hyb.	Very vigorous	Very large	Medium	Black	Dessert and market	Good	12 feet	Munson	Long	A good shipper.
Ellen Scott	Texas	Aestivalis hyb.	Very vigorous	Very large	Large	Violet	Dessert and market	Excellent	12 feet	Munson	Long	Splendid quality and good shipper.
Armalaga	Texas	Aestivalis Lab.	Very vigorous	Large	Large	White	Dessert and market	Excellent	12 feet	Munson	Long	A good shipper.
Goethe	Mass.	Lab. Vin. hyb.	Very vigorous	Above medium	Large	Pink	Dessert	Excellent	10 feet	Munson	Medium	Average life 6-8 yrs. Very profitable.
Ronaldo	Texas	Aestivalis Lab. Vin.	Very vigorous	Large	Large	White	Table, juice and market	Excellent	10 feet	Munson	Medium	One of heaviest yields and splendid shipper.
Thomas	S. C.	Rotundifolia	Very vigorous	Small	Large	Red	Dessert, juice and market	Good	20 feet	Six-arm renewal	Long	Self-sterile. Best for Muscadine products.
Scuppernong	N. C.	Rotundifolia	Very vigorous	Small	Large	Bronze	Dessert and juice	Good	20 feet	Arbor or Six-arm	Long	Self-sterile.
Tender Pulp	N. C.	Rotundifolia	Very vigorous	Small	Medium	Black	Dessert and juice	Good	16 feet	Six-arm	Long	Self-sterile. The latest Muscadine.
James	N. C.	Rotundifolia	Very vigorous	Small	Very large	Black	Dessert and juice	Fair	16 feet	Upright or Fan	Long	Self-sterile. Largest Muscadine.
Meisch	N. C.	Rotundifolia	Very vigorous	Small	Large	Black	Dessert, juice and market	Excellent	16 feet	Six-arm	Long	Self-sterile. Best Muscadine in quality.

We advise early orders so as to be sure of obtaining plants.

We guarantee to send first-class, healthy stock, free of all diseases *and true to name*. We also guarantee same to be in good condition upon arrival at destination. If not in good condition we will refund the purchase price, or replace with other stock of same value, but will not be liable for any greater amount. If this is not satisfactory, goods should be returned at once and the purchase price will be refunded. We cannot prevent drouths, excessive rains, poor planting, planting in unsuitable soil, the ravages of insects, rabbits, coons, etc., careless or improper planting, poor cultivation, and diseases, so **WE DO NOT GUARANTEE STOCK TO LIVE** after passing into other hands. Neither do we insure or replace any stock at the prices quoted.

SUBSTITUTION

We desire to fill all orders as listed, but should we be out of certain stocks at the time of ordering, we wish our customers to please state on the order blank whether they wish us to substitute some other variety that we believe would be suited to your locality. However, we wish to fill all orders as wanted, so please state whether you want us to substitute or not. We will try to get all orders out on the same day or the day after they are received, if possible. For this reason we advise early orders, stating in advance when you will want same. By doing this, it will help us greatly in meeting our customers' demands.

In order to insure reservations, 25% deposit must accompany all orders. It is our uniform rule to ship no plants on open account. Payment must be made in advance of shipments or authority to ship C. O. D.

We cannot be responsible to vineyardists who purchase our plants through the agency of dealers or other nurseries, for we cannot be certain that in repacking mistakes may not occur for which we are not responsible.



Florida Grown Amalaga Grapes

All plants listed immediately below take the following prices:

1 to 10, 40 cents; 11 to 100, 25 cents; 101 to 500, 23 cents; 501 to 1,000, 20 cents. For larger lots a special reduction is made.

1. **AMERICA (Columbia)**—Berry medium in size, black, easily freed from seed, large bunch, very prolific, grown as a juice grape in certain parts of the South.

2. **BELL**—Vine vigorous and hardy, cluster medium, berry medium in size, yellowish-white, pulp tender and juicy, midseason.

3. **CONCORD**—Cluster medium to large, berry large, black with bloom; short lived in south, where it does not ripen evenly; does fairly well in certain parts of North and West Florida.

4. **BRILLIANT (Bride)**—Large conical cluster, often shouldered; large round berries, light to dark red; very handsome when well ripened; skin thin but seldom cracks, pulp tender and melting but rather meaty; much heavier than Delaware, a good shipper; ripens very early, the best early fruiting commercial grape.

5. **CARMAN**—Vigorous grower, very prolific, large cluster, compact and shouldered; medium black berries with thin bloom, tough, thin skin, never cracking, meaty and firm pulp, tender when fully ripe, of pure rich quality, much superior to Concord, the best all-purpose grape grown in the South. The most generally planted of all varieties.

6. **CAPTIVATOR**—Fairly vigorous, cluster above medium, berry large, round, translucent, pinkish red.

7. **CLOETA (Coal)**—Cluster medium to large, with large berry, black, thin skin, superior to Concord; very prolific grower, an excellent all-purpose grape; does best with hot, dry weather.

8. **DELAWARE**—Medium cluster and berry, bright red, of excellent quality, subject to downy mildew, weak grower but does well in certain sections.

9. **EXTRA (Big Extra)**—Excellent grower, medium to large purplish-black berry, never cracks, sprightly, large cluster.

10. **FERN MUNSON**—Growth good, cluster medium to large, berry dark purplish black, skin thin and tough, quality good, good market and table grape, very late and the best late black grape for home and market.

11. **HERBEMONT (Royal)**—Healthy, vigorous plant, very large cluster, small to medium, translucent purple berry, juicy and sprightly; a valuable juice grape; requires spraying thoroughly as it is subject to Black Rot in wet seasons.

12. **R. W. MUNSON (Superior)**—Strong growth, cluster medium to large, often shouldered, berries medium to large, black, without bloom, skin never cracks, pulp tender, better than Concord, gives good satisfaction on market; very valuable for home vineyard and desirable for planting near other varieties which bloom at the same time, as it is self-sterile.

13. **NIAGARA**—Large cluster, large greenish-yellow berry succeeds better in North than South. Lives three to five years on average Florida soil.

14. **PRESIDENT (Presidio)**—Strong, healthy, prolific vine, compact, medium cluster, large black berry that does not crack, excellent quality, better than Concord; not very long lived in Florida.

All plants listed immediately below take the following prices:

1 to 10, 60 cents; 11 to 100, 50 cents; 101 to 500, 40 cents; 501 to 1,000, 35 cents. For larger lots a special reduction is made.

15. **DR. COLLIER**—Vigorous grower, large cluster, not very compact, large, handsome red berry; should be thoroughly ripe, otherwise rather acid; good quality.

16. **HUSMANN**—Growth fair, clusters very large, compact, berries black, medium in size, of very good quality. A very fine juice grape.

17. **BLONDIN**—Large, compact, shouldered, berry medium white translucent, skin very thin and tough, pulp very tender, juicy, sprightly, quality excellent, nearly best. Very vigorous, prolific, late with Triumph and Catawba in season. Very valuable as a white wine grape.

18. **CAPTAIN (Supplice) (Colonel)**—Long clusters, rather open, very prolific, berries medium, dark purple, pulp tender, sweet, parting from seed easily; ripens early, a good packer and shipper, excellent for market.

JEAGER 43—Vine vigorous and very healthy, cluster medium to large, berry medium size, pulp tender, of excellent quality, a good medium late grape.

GOLD COIN—Medium cluster, ovate, shouldered, always sets a crop; berries large yellowish, never cracks, very sweet, medium grower.

19. **CHAMPANEL (Panel)**—Growth rampant, stands heat and drouth well, especially on limy soils, although it does well on any soil; large black berries with white bloom; large bunches.

20. **SABINAL (River)**—Large, clear, light red berry, medium cluster, delicate thin skin, not cracking, pulp melting, sweet and juicy, highly flavored, very heavy yielder and excellent growing vine, very healthy.

21. **VALHALLAH**—A good grower, cluster small to medium, berries are large, dark red pulp, tender and of good quality, a good second early following Brilliant and much like it in appearance and quality; does well on moist, rich soil.

22. **GOETHE (Johan)**—Very large berry, light pinkish-red, good shipper, tender pulp, medium cluster, vigorous grower, medium late, not very long lived in Florida. Has been successful market grape in Florida for years even with the handicap of replanting.

23. **HEADLIGHT (Leader)**—Vine slender but more robust than Delaware, color and flavor similar to Delaware. The earliest of all of Munson's hybrids and especially desirable for planting on home vineyards. Requires pollenization from other varieties blooming at same time, but does well in mixed plantings.

24. **LUKFATA**—Very strong growth, a splendid variety for hot climates, free from disease, fairly good in quality, doing well all through Florida; requires pollen from other varieties blooming at the same time, as it is self-sterile.

25. **ALBANIA**—A very good grower, white fruit of fine quality, very late, the latest good white grape; good-sized bunches of medium-sized berries.

26. **LAST ROSE**—Cluster very large, berry medium to large, dark bright red, good quality, ripens very late; requires perfect flowering vines to be planted near, but valuable in a mixed planting.

27. **MANITO**—Clusters long and rather open, very prolific, skin thin and tough, ripens very early, quality good; black with light colored spots.

28. **ROMMEL (Roman)**—Small to medium cluster, medium growth, fine large yellowish-green berries, delicate flavor, excellent for home market and table.

29. **CREAM**—Very delicate, medium-sized berry and cluster, cream colored, excellent for home use.

30. **MANSON**—This is a well-flavored white grape but ripens late, quality excellent, growth fair.

All plants listed immediately below take the following prices:

1 to 10, 75 cents; 11 to 100, 60 cents; 101 to 500, 50 cents; 501 to 1,000, 40 cents. For larger lots a special reduction is made.

31. **ARMALAGA (Fla. Malaga)**—Vine vigorous and healthy, flower perfect, large compact cluster, large yellowish-green berry, excellent shipper; does well on both moist and dryer soils.

32. **BAILEY (Bay)**—Strong grower, large to very large cluster, compact, large berries, never cracks, meat pulpy, juicy and sprightly, quality above Concord, an excellent market grape.

33. **EDNA (Ande)**—Large yellowish-white berries and very large clusters, does well in sandy soil. A sister to Ronaldo and Armalaga, of fine quality.

34. **ELLEN SCOTT (Florida Tokay)**—Very handsome table and market grape, cluster large to very large, berry large, translucent, violet, covered with delicate bloom; thin skin and tough, pulp tender, very high quality. Succeeds on high, well-drained soils; a fair shipper and always brings a premium in the market; midseason.

35. **RONALDO (Roalo)**—Strong, vigorous grower and heavy yielder, very large bunch, large white berry, does well on a variety of soils.

36. **WAPANUKA (Wondrous)**—Growth and cluster medium, large rich yellowish-white berries, sometimes seven-eighths of an inch in diameter; none superior for table and home market.

All plants listed immediately below take the following prices:

1 to 10, 40 cents; 11 to 100, 25 cents; 101 to 500, 23 cents; 501 to 1,000, 20 cents. For larger lots a special reduction is made.

MUSCADINE GRAPES—Often called Scuppernong, and do well on either trellis or arbor. All are heavy yielders and require male vine near to pollenize, as they bear imperfect flowers. Single vines cover arbors of hundreds of square feet and bear heavy crops annually. Usually have from several to a dozen or more berries on a loose bunch. Excellent for cooking, cider, syrup, wine or jelly, also table use.

37. **MALE MUSCADINE**—Good for pollenizing other varieties. Should be planted at ratio of one to each 6 or 8 vines.

All plants listed immediately below take the following prices: 1 to 10, 75 cents; 11 to 100, 60 cents; 101 to 500, 50 cents; 501 to 1,000, 40 cents. For larger lots a special reduction is made.

38. **MEISCH**—Vine vigorous, very productive, bunches contain 6 to 15 medium sized oval reddish-black, thin skinned berries, tender, sweet and fine; the best variety of the Muscadine in quality.

39. **JAMES**—Largest berries, black, often measuring one and one-fourth inches in diameter.

40. **THOMAS**—Reddish purple, excellent flavor, one of the tenderest and best of its class; does finely on the 3-wire vertical trellis recommended for Muscadine. The best Muscadine for juice and other grape products.

41. **TENDER PULP**—Sweetest and best of these large black grapes, very prolific yielder and grower. If you have but one arbor this is the one to plant. Hundreds of quarts of fine luscious grapes may be picked from one vine. Pulp sweet and tender and skin not so thin and tough as others. Yields ripe fruit for a long time.

42. **BRONZE SCUPPERNON**—Large bronze berry, strongly recommended for its good growing and bearing qualities.

We are making a very attractive offer on specials for home vineyard use. We are hoping to see a great many plantings of these small lots which will give a variety of grapes for the longest period of time.

Orders will be filed only as listed below. Order by Special Offer Number 1, 2 and 3.

NUMBER 1		NUMBER 2		NUMBER 3	
2 Carman	\$.80	1 Carman	\$.40	1 Carman	\$.40
2 R. W. Munson .....	.80	1 R. W. Munson .....	.40	1 R. W. Munson .....	.40
2 Ronaldo	1.50	1 Ronaldo .....	.75	1 Rommel .....	.50
2 Edna	1.50	1 Edna .....	.75	1 America .....	.40
2 Rommel	1.20	1 Rommel .....	.50	1 Brilliant .....	.40
2 Herbemont	1.20	1 Herbemont .....	.60	1 Ronaldo .....	.75
2 Cream	1.20	1 Cream .....	.60		
2 America .....	.80	1 America .....	.40		\$2.95
2 Brilliant .....	.80	1 Brilliant .....	.40		
2 Concord .....	.50	1 Concord .....	.25		
	\$10.30		\$5.15		
Special Price	\$ 8.00	Special Price	\$4.25	Special Price	\$2.50

43. **TREE BLACKBERRIES**—Blackberries promise to be a splendid commercial crop for Florida and other southeastern states. Our berry crops ripen and are on the market before any other section can possibly produce berries.

Tree or bush blackberry crop is one of the best paying we have. The yield is splendid and when packed in quart containers the berries carry splendidly to any of the northern markets. Local markets will however, consume the total offering for several years to come.

Blackberries should be planted on moist land or irrigated land.

Plant in rows 4 x 8 which requires 1361 plants per acre.

Practice clean cultivation during dry season.

Prices: 10, \$2.00; 100, \$10.00; 1,000, \$35.00.

44. **DEWBERRIES.**

Large berries, very vigorous grower, excellent quality. Prices: 10, \$2.00; 100, \$10.00; \$35.00 per thousand.

HIMALAYA BLACKBERRY.

Very strong grower, has to be grown on trellis. Price: 1, 50 cents; 10, \$3.00.

MULBERRIES—HICKS EVERBEARING.

Extra heavy yielder, vigorous, bearing for about three months in the year; fine for shade and chickens. Price: 1, 75 cents; 10, \$5.00.

We have a few of the California varieties if anyone wishes to try for experimental purposes.

ZINFANDEL

ZANTE CURRANT

PERSIAN B

PERSIAN H

PERSIAN K Price 50 cents each.

SEA GRAPE—Not a true grape, grown for ornamental purposes. Price 50 cents each.

47. **TREE BLUEBERRIES** are becoming very popular with Florida Horticulturists. They do well and yield plentiful crops which bring good returns, in either the local or northern markets.

As in the case of blackberries, it is necessary that blueberries be planted on suitable soil. Moist slightly acid soil is the best.

While it has often been stated that blueberries yield the first year after planting, it is better to expect little if any returns the first year. In 2 or 3 years, however, abundant crops may be expected.

Plant 12 x 12 which requires 302 plants per acre.

Practice clean cultivation during the dry season.

Prices for medium size plants, 50 cents each; for large size plants, 60 cents each.

SOUTHERN ADAPTED NURSERIES

PLEASE FILL THE FOLLOWING ORDER:

NAME _____

ADDRESS _____

Ship to _____

Station	Cash - - - \$.....
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County of _____ State _____ Draft - - - _____

Via Check - - -

When to Ship Order No.

AMOUNT ENCLOSED

Cash - - - \$_____.

Draft - - -

Check - - -

Money Order.....

Stamps - - - _____

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ALL ORDERS RECEIVED AS PER TERMS IN CATALOG

